THE MOST RELIABLE BRAKE PARTS FOR THE PERFECT BRAKE JOB®
At NAPA® Brakes, we don’t just help you perform The Perfect Brake Job®... we help you keep your promise.

For technicians across the country who are looking for a single source of top-quality brake parts, NAPA® Brakes offers the Aftermarket’s most complete line of trustworthy brake products.

- Our full line of friction, rotors, drums, calipers, hardware, master and wheel cylinders, hoses and cables means you’ll always be able to offer your customers exactly what they need.
- Our world class training and technical support means you’ll always have the expertise to do the job right the first time.
- Our inventory upgrades and yearlong marketing efforts mean you’ll always have the tools you need to build and sustain a thriving business.

Our commitment to breakthrough engineering, best-in-class coverage and first to market strategy provides your customers the safety and performance they’re looking for… and keeps your shop full of life-long customers.
ADAPTIVE ONE® BRAKE PADS
The only friction system in the Aftermarket that adapts to individual driving styles
- Lubrication packets included
- Hardware included where applicable

Limited Lifetime warranty and noise-free guarantee

Mechanical friction attachment system holds friction material firmly in place

COVERAGE
Readily available for most newer cars and light trucks with OE ceramic brake pads.

COVERAGE FOR 99.5% OF ALL VEHICLES ON THE ROAD TODAY
ULTRA PREMIUM™ BRAKE PADS AND SHOES
Not just a repair, a restoration. Ultra Premium™ disc brake pads perform like a new vehicle’s original equipment, making NAPA® Ultra Premium an excellent choice!
- Guaranteed quiet
- Special applications
- Certified safe
- Hardware included where applicable

Limited Lifetime warranty

COVERAGE
Cataloged for cars and trucks built mostly in the past 15 years covering a broad range of applications.

ULTRA PREMIUM™ SEVERE DUTY BRAKE PADS AND SHOES
Engineered to provide the most dependable braking performance in the harshest driving environments. These specialty formulations provide extra stopping power and extra long friction life.
- Reduced brake fade
- Reduced noise

Limited warranty

COVERAGE
Industry-leading coverage for all current police platforms, emergency service, commercial/recreational and fleet/municipality applications.

PREMIUM™ BRAKE PADS
Quality and coverage that meets or exceeds most other premium pads. Chosen by more professional installers.
- Quiet friction formulations
- Exclusive Silent Guard™ shim technology
- Includes hardware for many applications

Two-year warranty

COVERAGE
The most extensive line of brake friction coverage for cars and trucks, from vintage to hybrid.

ULTRA PREMIUM™ BRAKE PADS AND SHOES
Not just a repair, a restoration. Ultra Premium™ disc brake pads perform like a new vehicle’s original equipment, making NAPA® Ultra Premium an excellent choice!
- Guaranteed quiet
- Special applications
- Certified safe
- Hardware included where applicable

Limited Lifetime warranty

COVERAGE
Cataloged for cars and trucks built mostly in the past 15 years covering a broad range of applications.

PROFORMER™ BRAKE PADS AND SHOES
Designed for everyday braking, NAPA® Proformer™ disc brake pads offer the same features and benefits as many competitive “premium” brands.
- OE style shims, slots and chamfers
- Quality tested formulations

One-year warranty

COVERAGE
Older and economy vehicles, as well as late model cars and light duty trucks.

DID YOU KNOW
Hardware is always included when required to ensure you have what you need to complete The Perfect Brake Job®. Look for the red band and the HDW icon on the box.

THE MOST RELIABLE BRAKE PARTS FOR THE PERFECT BRAKE JOB®
100% POLYMER COATED ULTRA PREMIUM ROTORS PROVIDE COMPLETE PROTECTION

**SPECIALTY**

- QC100™ Venting
- Level EQ™ Sound Reduction
- ONYX Guard™ Corrosion Protectant

**BEST**

- Runs Cooler
- Longer Life

**BETTER**

- OE Matched

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**REACTIVE ONE® ROTORS**

The only rotor that offers a triple advantage over traditional premium rotors… unmatched style, unrivaled longevity and performance and unequalled pedal response.

- Cool Track™ vents
- Specially formulated polymer coating
- ONYX Guard corrosion protectant
- 30% increase in pad life

Limited Lifetime warranty

**ULTRA PREMIUM™ COATED ROTORS**

100% Polymer coated for complete protection.

- Tested to withstand 400 hours of salt spray
- Special polymer coating keeps vanes and edges cleaner longer, optimizing air flow and product performance

Limited Lifetime warranty

**COVERAGE**

Trucks, SUVs, fleet and performance vehicles.

**COVERAGE**

Late model passenger cars and trucks operating in extreme climates and enduring demanding environmental conditions.

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**100% POLYMER COATED ULTRA PREMIUM ROTORS PROVIDE COMPLETE PROTECTION**
ULTRA PREMIUM™ ROTORS
Guaranteed quiet and certified safe.
- Level EQ Sound Reducing Technology
- QC100 Venting for maximum cooling
- ONYX Guard corrosion protectant
- Perfect finish for smooth even braking

Limited Lifetime warranty

ULTRA PREMIUM™ SEVERE DUTY ROTORS
Specifically engineered to withstand the high-energy stopping and rigorous service duty requirements of emergency service vehicles.
- Technologically advanced casting and machining
- 9% greater mass than competitive rotors
- Optional friction-ready kits also available
- Specific metallurgy

Limited warranty

COVERAGE
Broad range of passenger cars and light trucks built mostly in the past 15 years.

ULTRA PREMIUM™ MEDIUM DUTY ROTORS
100% Polymer coated for maximum protection.
- For applications with a cast-in ABS ring, the polymer coating helps to prevent a false ABS warning
- ASTM-B117 tested to withstand the equivalent of 18 Southern Michigan winter months

Limited Lifetime warranty

COVERAGE
Most current police platforms.

PREMIUM™ DRUMS
Designed, manufactured and tested to provide consistent quality and maximum brake life.
- Application-specific designs
- CNC machined
- Dynamically balanced
- Manufactured to meet G3000 steel specifications

Limited Lifetime warranty

COVERAGE
For 99% of all cars and trucks on the road today.

PREMIUM™ ROTORS
Quality minded without compromise for reliable performance.
- OE fit, form and function
- G3000 cast iron assures dependable braking

12-month/12,000 mile warranty

COVERAGE
Passenger cars and light trucks, from vintage to hybrid.

DID YOU KNOW
100% Polymer coated rotors are especially crucial for vehicles operating in extreme climates... enduring the severe temperatures and high-humidity that increase rust and corrosion.
PROPRIETARY PROTECTIVE COATING PREVENTS RUST AND CORROSION
TOTAL ECLIPSE® LOADED (LE) CALIPERS
Pre-loaded with quality OE-grade friction to restore brakes to like-new condition. Specific program targeting coverage for popular fleet and late model applications.
- 100% new OE-style seals and bleeder valves
- 100% full-function computer tested
- Pistons meet or exceed OE specifications
- Properly matched hardware (shims, bushings, slides, etc.)

Limited Lifetime warranty

TOTAL ECLIPSE® SEMI-LOADED (SE) CALIPERS
Available bracketed and non-bracketed with a proprietary protective coating
- 100% new OE-style seals and bleeder valves
- 100% full-function computer tested
- Pistons meet or exceed OE specifications
- Application-specific hardware

Limited Lifetime warranty

PROFORMER™ CALIPERS
NAPA® Proformer™ calipers compete with low-cost competitors and are perfect for value-oriented customers.
- 100% new OE quality seals and boots meet stringent SAE performance and life-cycle standards
- 100% full-function computer tested
- 100% new bleeder screws installed

12-month warranty

REMANUFACTURED CALIPER BRACKETS
NAPA® Brakes gives you the option to purchase brake calipers with or without brackets, or we can provide you with an individual bracket. Perfect for customers who need an individual bracket due to damage, rust or wear.
- Rust preventative coating
- Rubber dust boots included, where applicable

12-month warranty

DID YOU KNOW
Total Eclipse® calipers have a proprietary protective coating that is applied using a multi-step process that is superior to anything else available.
PROFORMER™ MASTER CYLINDERS
A high quality, environmentally friendly option to replace a unit that may not be available new.
- Each unit is 100% computer tested
- 100% new rubber seals and o-rings
- Plastic reservoirs are vacuum-tested
- Internal components designed to meet OE specifications

Three-year/36,000-mile warranty

PREMIUM NEW MASTER CYLINDERS
Designed for customers looking for a premium replacement part. They meet or exceed OE specifications in form, fit, and function.
- Rubber components are tested to temperature extremes of -30°F to +220°F
- Plastic reservoirs are vacuum-tested
- Castings are designed to precise tolerances

Limited Lifetime warranty

COVERAGE
Comprehensive coverage for domestic and import applications.

COVERAGE
Vehicles 1933-present, Ford to forklift and many other automotive and non-automotive applications.

BOTH NEW AND REMAN HYDRAULIC PARTS MEET OR EXCEED OE SPECIFICATIONS
WHEEL CYLINDERS
Assembled with the highest quality components, tested and validated to SAE standards to consistently match OE for precise performance.
- Assembled with EPDM and SBR rubber for leak-free operation
Limited Lifetime warranty

ABS HYDRAULIC PARTS
OE quality components are field tested to assure product reliability.Exclusive cleaning processes are implemented to provide a consistent, like-new appearance.
- 100% new OE-style seals and bleeder valves
- 100% full-function computer tested
- Pistons meet or exceed OE specifications
- Application-specific hardware
12-month/12,000 mile warranty

POWER BRAKE BOOSTERS
Remanufactured power brake boosters increase the latest technological designs such as Interactive Vehicle Dynamics (IVD), which provide stability control to the vehicle under all driving conditions.
- OE quality seals, diaphragms and check valves meet SAE performance and life-cycle standards
- 100% full-function tested using simulated, on the road driving conditions
Limited Lifetime warranty

BRAKE HOSES
Brake hoses comply with SAE required tests for D.O.T. certification and Federal Vehicle Safety Standards to provide safe, reliable performance.
- EPDM rubber with zinc plated steel end fittings and brackets
- "Banjo style" end fittings supplied with two copper washers
Limited Lifetime warranty

COVERAGE
Expansive coverage for domestic and import applications.

COVERAGE
Domestic and import coverage beginning as early as 1978 vehicle applications.

COVERAGE
Complete domestic and import coverage including both loaded (master cylinder & booster included) and unloaded (does not include master cylinder & booster) units.

COVERAGE
Coverage for nearly all registered vehicles between 1939 and today.

DID YOU KNOW
Our premium rubber components are tested to temperature extremes of -30°F to +220°F to ensure unfailing reliability in harsh environments.
DISC, DRUM AND PARKING BRAKE HARDWARE

Brake hardware is an integral part of a brake system. Neglecting to replace it when replacing brake pads or shoes could lead to premature wear, noise and costly comebacks. Don’t let the cost of a few pieces of hardware compromise the performance of the brake system.

- Selected caliper abutment clips come with Quiet Clip technology
- Manufactured to meet original equipment fit, form and function
- Hardware tray assortments provide time saving critical components to complete The Perfect Brake Job® on time

Limited Lifetime warranty

A BRAKE JOB IS ONLY AS GOOD AS IT’S WEAKEST PARTS

COVERAGE

Full platform coverage for all disc brake pads and drum brake shoes.
BRAKE CABLES
Brake cables have internal polyethylene liners and external polyethylene conduit. Cable and button-stops are subjected to critical tensile testing for pull force strength. Our cables meet or exceed OE specifications.
- Stainless steel
- High-strength galvanized carbon steel

Limited Lifetime warranty

STAINLESS STEEL BRAKE LINE KITS
NAPA® Brakes new brake line kits provide a complete vehicle solution for corrosion prone OEM brake lines. Use of road salt and brine has accelerated corrosion failure rates in the rust belt regions. Upgraded stainless steel prevents corrosion from compromising the integrity of the lines in the future.
- 304 stainless steel
- Pre-bent and pre-flared to save bay time
- Includes axle tubes for complete kit

Limited Lifetime warranty

ABS SENSORS
NAPA® Brakes ABS sensors look, fit and perform like the originals they replace. Global manufacturing gives us complete control of the manufacturing process from componentry to finished product.
- Consistent signal output performance
- High-quality materials in the magnetic circuit, which results in high voltage output
- Consistent critical sensor dimensions, which establish the gap between the sensor tip and target wheel to prevent any possibility of the sensor tip hitting the spinning target wheel helping avoid sensor damage
- Complete quality inspection and product testing
- Always matches OE fit, form and critical function

12-month/12,000 mile warranty

DID YOU KNOW
If brake pads and shoes are worn, the hardware probably is too. Always inspect and recommend brake hardware when doing routine brake service.

COVERAGE
Most common late model full size GM trucks and SUVs.

COVERAGE
Most registered vehicles between 1951 and today.

95% coverage for 148 million vehicles in operation.
BEFORE YOU START
Full Inspection

1. Test drive vehicle to confirm owner’s comments
2. Inspect tire condition
3. Check suspension • Tie Rods • Ball Joints • Shocks • CV Axles • Bushings
4. Check for end play
5. Inspect master cylinder, booster, ABS unit and other valves
6. Pull all four wheels • Mark rotor and drum to stud

Disc Brake Inspection

7. Inspect floating caliper • Free movement • Piston pullback
8. Inspect rotor • Grooves • Discoloration • Proper thickness
9. Inspect caliper body condition and bracket strut for damage or wear
10. Inspect hardware and rubber components
11. Inspect brake hoses
12. Inspect pads • Taper or uneven wear • Delamination • Shape of shim • Measure lining thickness
13. Check run-out

Drum Brake Inspection

14. Remove drums
15. Inspect drum • Grooves • Discoloration • Wear • Maximum diameter
16. Inspect wheel cylinder for leakage
17. Inspect hardware • Springs and pins • Return and hold down items • Parking brake levers • Backplates
18. Inspect shoes • Wear pattern • Cracking • Measure lining thickness
19. Write estimate based on MAP guidelines and inspection

Rotate Lateral Run-out Specifications
The service limit of disc brake run-out for most vehicles is 0.05 mm (0.002 in). However, we are beginning to see a trend with newer applications requiring more stringent tolerances, e.g., 0.035 mm (0.0014") for the 2010 Infiniti G37 Sedan or 0.04 mm (0.0016") for the 2010 Honda Accord Crosstour EX. To stay within the manufacturer’s specs it is imperative that you use a dial indicator to check for lateral run-out.

Before completing brake service, make sure run-out meets the manufacturer’s specs. If run-out is greater than the manufacturer’s specs, follow the procedures to correct lateral run-out.

See step 27 for more information.

Machined particles left on the rotor can add to stacked tolerance variation. Whether new or turned, thoroughly wash the rotor surface with soap and water to eliminate the chance of pedal pulsation.

THE PERFECT BRAKE JOB

In order to perform the most thorough brake job possible always follow these step-by-step procedures.
27 Install rotor and check lateral run-out on vehicle with lugs torqued to specs.

28 Clean and lubricate caliper bracket and slides.

29 Lubricate pads at all metal-to-metal contact points to include shim on backing plate.

30 Install new brake pads and new hardware
   - NAPA® Adaptive One®
   - NAPA® Ultra Premium™
   - NAPA® Premium™
   - NAPA® Proformer™

31 Install caliper
   - Torque all bolts to specification.

32 Remove hose clamp.

33 Flush and bleed brake system.

The Importance of Checking for Lateral Run-out

Lateral run-out directly impacts pedal pulsation, brake noise, brake life and customer safety. If lateral run-out is detected, first try to index the rotor to the hub by removing the rotor and rotating it 180°. As an option to expensive replacement of the entire hub assembly, you can correct lateral run-out between .002” and .007” using NAPA® Brakes hub correction plates. However, if the lateral run-out is greater than .007”, you must first determine whether the rotor or the hub assembly is to blame before making the proper repair.

Reference Bulletin No. 01-05-23-001B - 2008 Buick LaCrosse VE-3.6L or the hub correction video for more information. Both can be found at NAPAbrakes.com under the Training tab.

If you do need to machine the rotor, it can be done on the vehicle with an on-car brake lathe, perfect for vehicles with captured rotor assemblies. A high-quality on-car lathe can machine a rotor to match the axle flange to less than .001” run-out specification; eliminating recurring brake pedal pulsation.

NAPA Know How Tech Tip

The Importance of Installing New Brake Hardware

Even if old brake hardware appears to be OK, don’t be fooled – if brake pads or shoes are worn out, brake hardware is too.

The fact is, constant tension, heat, friction and mechanical stress – the same things that cause brake pads and shoes to wear out – will eventually cause brake hardware to fail.

Four Good Reasons to Install New Brake Hardware

1. Heat Damage
   - Heat damaged hardware can cause noise and excessive lining wear.

2. Premature Wear
   - Full-sized hardware can cause improper return, which causes premature brake wear.

3. Reduced Gas Mileage
   - Weak, bent or heat distorted hardware can cause drag, which reduces gas mileage.

4. Risk of Brake Failure
   - Old hardware can fail during unexpected/emergency stopping.

Whether your vehicle is equipped with 4-wheel disc brakes or disc and drum brakes, old hardware could prevent them from safely and effectively stopping your vehicle. NAPA® Brakes hardware is manufactured to meet the toughest specifications of vehicle manufacturers. For reliable operation and maximum safety, every brake job should include new brake hardware.

NAPA Know How Tech Tip

Drum Brakes

34 Wash brake assembly with proper equipment.

35 Disassemble brake system.

36 Lubricate backing plate at shoe rest.

37 Install brake shoes and new hardware.

38 Wash drums with soap and water if new or machined.

39 Flush and bleed brake system.

40 Install drum and adjust shoe-to-drum clearance with proper tool, if applicable.

FINALIZE The Perfect Brake Job®

41 Check pedal height.

42 Install wheels and torque to specifications.

43 Fill the master cylinder to the proper level.

44 Test drive vehicle and bed in brakes, to ensure customer satisfaction.

Visit theperfectbrakejob.com for questions regarding brake repair procedures. Following the procedures outlined in The Perfect Brake Job® and installing quality NAPA® Brakes parts means your customers will remain safe, assured and completely satisfied... and most importantly, loyal to you – which makes them more likely to recommend you to their family and friends for brake service.

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THE MOST RELIABLE BRAKE PARTS FOR THE PERFECT BRAKE JOB®

DID YOU KNOW

Never underestimate the importance of completing a thorough brake job. Always follow the recommended procedures in The Perfect Brake Job® for the best results.
Visit NAPAbra kes.com for additional product information.  
Visit ThePerfectBrakeJob.com for questions regarding brake repair procedures.